



*University of California*

## **Lawrence Livermore National Laboratory**

*Procurement & Materiel*

**Notice to Offerors: The preceding version of this letter, Version 4, has been revised. Version 5 includes an extended time period for Offeror's questions to April 24, 2002.**

### **Version 5**

April 22, 2002

**Subject: Request For Proposal (RFP) No. B519700**

Dear RFP Recipient:

The Regents of the University of California (University) request a proposal for the Purple computing system (Purple) in accordance with this Request For Proposal. Proposals shall be valid for at least 120 days after the proposal due date. Complete, written proposals must be received by the University Procurement Representative no later than 4:00 PM PDT on April 29, 2002.

The University manages the Lawrence Livermore National Laboratory (LLNL) and conducts Laboratory business under Laboratory Procurement Policies and Procedures consistent with the Prime contract between the University and the United States Government, represented by the Department of Energy (DOE).

Acceptance of late proposals will be at the sole discretion of the University. Facsimile proposals are not acceptable. The University reserves the right to reject any and all proposals, to waive any minor irregularities in any proposal, or to cancel this RFP at any time prior to award without cost to the University. This RFP does not include provisions for the direct reimbursement of proposal preparation costs.

The University Procurement Representative, Gary Ward, may be reached by telephone at (925) 423-5952, by fax at (925) 423-8019 or by email at [ward31@llnl.gov](mailto:ward31@llnl.gov). Brandt Esser is the backup University Procurement Representative and may be reached by telephone at (925) 423-1518, by fax at (925) 423-8019 or by email at [esser3@llnl.gov](mailto:esser3@llnl.gov).

Interested Offerors must send a contact name, phone number and email address to the University Procurement Representative, via email (<mailto:ward31@llnl.gov>), no later than February 28, 2002, so that the University can notify Offerors of any changes to the RFP. The University will not be responsible for notifying Offerors who do not register according to these instructions. Offerors are ultimately responsible for monitoring the website at <http://www.llnl.gov/asci/purple> for all amendments to the RFP, questions and answers germane to this RFP, and updated information.

### **FUNDING AVAILABILITY**

Funding to perform all of the work described in the sample Subcontract is not currently available. The University anticipates that funding for all of the work will become available in a manner that will allow the successful Offeror to perform continuously until completion of the work.

The working budget range for a 60 TFLOP/s Purple, a 20 TFLOP/s EDTV, and two years of maintenance is \$200M  $\pm$  10%. The working budget range for Purple Option C (100 TFLOP/s Purple), a 20 TFLOP/s EDTV, and five years of maintenance is \$280M  $\pm$  10%. The working funding profile by government fiscal year (October through September) is given in the following table. The fiscal year percentage ranges may be applied to the working budget range to determine the range of funding that may be made available each fiscal year.

Fiscal Year	Fiscal Year Percentage Range
2003	10% to 20%
2004	25% to 35%
2005	35% to 45%
2006	20% to 30%

It is important to note that these are working numbers only. Final numbers will be based upon the proposals received, the results of negotiations that will determine the configuration of Purple and its delivery schedules, and the funding made available by DOE. Exercise of Purple Option C will depend upon the prices proposed by the Offerors for the option, the value to the University of exercising the option, and the availability of funding for the option.

### **NAICS CODE AND SIZE STANDARD**

The North American Industry Classification System (NAICS) Code for this acquisition is 334111. The small business size standard for this acquisition for an Offeror proposing to furnish products that it manufactures or produces is a number of employees size standard of 1,000 employees or less. Refer to Subpart 19.1 - Size Standards of the Federal Acquisition Regulation (FAR) for information on calculating your number of employees.

### **DUNS NUMBER**

The Offeror shall provide its D-U-N-S number as part of the proposal.

### **PROPOSAL PREPARATION**

Refer to Attachment 3, Proposal Evaluation and Proposal Preparation Instructions for related information. This Attachment contains detailed and specific instructions on what must be included in the proposal. It is extremely important to note that Attachment 2, the Statement of Work, and Attachment 3 must be used together. Attachment 2 contains the technical requirements for Purple and Attachment 3 describes how an Offeror must respond to those technical requirements. In addition, Attachment 3 also includes how an Offeror must respond in its proposal to business and pricing requirements of this solicitation.

Part 2 of Attachment 3 describes the overall format of the proposal. Part 3 of this Attachment describes how an Offeror must respond to the technical requirements of Attachment 2, the Statement of Work. Part 4 of this Attachment defines the business background information and product

roadmap strategies needed from each Offeror for the University's evaluation. Part 5 of this Attachment lists the Mandatory Options that must be offered and provides a brief description of each one, and addresses Alternate and Alternate Additional Option Proposals. Part 6 of this Attachment defines the pricing structure that must be included in the proposal. Appendix A is the price schedule that an Offeror must complete and return with its proposal.

The terms Mandatory Requirement, Mandatory Options and Target Requirements are used throughout Attachments 2 and 3. Page iv of Attachment 2 provides definitions for these terms. Section 1.1.1 of Attachment 3 describes how the University will assess an Offeror's response to each of these requirements as part of the best value source selection process. The Statement of Work contains two Mandatory Requirements, one in Section 2.1.1.1 and the other in Section 3.1.1.1. The Statement of Work also contains Mandatory Options in Sections 2.1.1.10, 2.1.1.11, 2.1.4.9, 3.1.1.3, 3.1.1.4, 4.1.1, 4.1.2, and 5.0. Target Requirements are identified throughout the Statement of Work.

## **EVALUATION**

Refer to Attachment 3, Proposal Evaluation and Proposal Preparation Instructions for related information. Part 1 of this Attachment describes in detail how the University will evaluate the proposals received in response to this solicitation. Section 1.1.2 of this Attachment concerns evaluation of the technical proposal and the performance features offered in each proposal. Section 1.1.3 describes how the University will evaluate an Offeror's proposed delivery schedules. Section 1.1.4 relates how the University will assess the feasibility of the systems proposed by an Offeror. Section 1.1.5 describes how the University will assess the Offeror's Business Proposal. Finally, Section 1.1.6 discusses how the University will evaluate the pricing and financing offered in each proposal.

## **SELECTION OF AWARDEE(S)**

Refer to Attachment 3, Proposal Evaluation and Proposal Preparation Instructions for related information. Specifically, Part 1.2 describes how the University will make its selection or selections. Part 1.3 describes how the University will address options.

## **OFFEROR'S QUESTIONS**

In order to maximize the likelihood of the Offerors completely understanding the scope and intent of this RFP, the University will allow questions and one-on-one meetings until April 24, 2002. The University will respond to questions submitted in writing to the University Procurement Representative on or before April 24, 2002. Questions submitted after this date may not be answered due to time constraints. Questions may only be submitted by email. In addition to this formal documented Q&A procedure, the University Procurement and Technical Representatives will be available from 10:00AM to 5:00PM, PST, Monday, Wednesday and Friday of each week until April 24, 2002, to meet with potential Offerors face-to-face at LLNL and/or by teleconference. The University Representatives will only talk to one Offeror at a time. These meetings will allow an Offeror the opportunity to discuss approaches or solutions it may be considering with the assurance that any sensitive or proprietary information disclosed to the University Representatives will be not be shared with other Offerors. Contact the University Procurement Representative to schedule a meeting. Answers to questions that are germane to the interpretation of the University's requirements, whether submitted in writing or posed during a meeting, will be posted to the ASCI Purple procurement website (<http://www.llnl.gov/asci/purple>).

### **SUBMITTING PROPOSALS**

Submission of a proposal indicates the Offeror's willingness to accept the terms and conditions of the sample Subcontract and its attachments unless specific exceptions are taken. These terms and conditions have been approved by the DOE. Changing them may be time consuming. Failure to accept the terms and conditions may result in significant, unacceptable delays in award of a subcontract, which could cause the University to reject your proposal.

The Offeror shall deliver the proposal to one of the following addresses. Hand delivery of a proposal is not allowed.

#### **Address for Commercial Courier**

*(Not For Hand Delivery)*

University of California  
Lawrence Livermore National Laboratory  
Attention: Gary Ward  
Mail Code L-550  
RFP: B519700  
7000 East Avenue  
Livermore, CA 94550

#### **Address for Mailing**

University of California  
Lawrence Livermore National Laboratory  
Attention: Gary Ward  
Mail Code L-550  
RFP: B519700  
P.O. Box 808  
Livermore, CA 94551

### **PROPRIETARY DATA**

The University expects to receive proprietary data. If proprietary data is included in a proposal, it must be marked "Proprietary." The University will maintain the proprietary data in confidence, giving it the same degree of care, but no less than a reasonable degree of care, as the University would exercise with its own proprietary data to prevent its unauthorized disclosure.

### **EQUAL OPPORTUNITY**

An award in the amount of \$10 million or more will not be made under this solicitation unless the successful Offeror and each of its known first-tier subcontractors to whom it intends to award a subcontract of \$10 million or more are found, on the basis of a compliance review conducted by the responsible government agency, to be able to comply with the provisions of the Equal Opportunity clause in the General Provisions of this solicitation. If the Offeror's proposal is valued at or above \$10 million, the Offeror shall complete and submit with its proposal the attached Pre-award Compliance Certification Form, along with the information stipulated in the form.

### **OTHER PROPOSAL REQUIREMENTS**

#### **Intellectual Property**

It is anticipated that intellectual property rights to new intellectual property developed under PathForward funding may be retained by a company performing the development, rather than by the Government, provided that the appropriate cost-sharing conditions exist and documentation is filed supporting approval of a waiver by DOE. See the following notice.

## **NOTICE TO OFFERORS**

DEAR 952.227-84 - RIGHT TO REQUEST PATENT WAIVER (JUNE 1998). Offerors have the right to request a waiver of all or any part of the rights of the United States in inventions conceived or first actually reduced to practice in performance of the [sub]contract that may be awarded as a result of this solicitation, in advance of or within 30 days after the effective date of [sub]contracting. Even where such advance waiver is not requested or the request is denied, the [sub]contractor will have a continuing right under the [sub]contract to request a waiver of the rights of the United States in identified inventions, i.e., individual inventions conceived or first actually reduced to practice in performance of the [sub]contract. Domestic small businesses and domestic nonprofit organizations normally will receive the patent rights clause at 952.227-11 which permits the [sub]contractor to retain title to such inventions, except under contracts for management or operation of a Government-owned research and development facility or under [sub]contracts involving exceptional circumstances or intelligence activities. Therefore, small businesses and nonprofit organizations normally need not request a waiver. See the patent rights clause in the draft [sub]contract in this solicitation. See also DOE's patent waiver regulations at 10 CFR part 784.

## **ATTACHMENTS**

The following attachments are part of this RFP. See Attachment 3 for instructions on what must be included in the proposal submission.

- Attachment 1: Sample Subcontract and other Incorporated Documents
- Attachment 2: Statement of Work  
This attachment contains all the system requirements, timelines and management plan. In addition, this attachment provides detailed background information regarding this DOE NNSA program, the code development environment, and the current ASCI Blue-Pacific and White simulation environments at the Lawrence Livermore National Laboratory. This attachment also includes information about the Tera-scale Simulation Facility (TSF) that will be built to house the Purple and future ASCI ultra-scale computers.
- Attachment 3: Proposal Evaluation and Proposal Preparation Instructions  
This attachment describes the proposal evaluation criteria, proposal format and related proposal preparation instructions.
- Attachment 4: Model Small Business Subcontracting Plan
- Attachment 5: Foreign Ownership, Control, or Influence (FOCI)
- Attachment 6: Definitions for Completion of the Certificate Pertaining to Foreign Interests
- Attachment 7: Instructions for Completion of the Certificate Pertaining to Foreign Interests
- Attachment 8: Certificate Pertaining to Foreign Interests
- Attachment 9: Taxpayer Identification Form
- Attachment 10: Owners, Officers, Directors, and Executive Personnel (OODEP)
- Attachment 11: Foreign Ownership, Control, or Influence Representative of Foreign Interest (RFI) Statement
- Attachment 12: Representations and Certifications
- Attachment 13: EEO Pre-Award Compliance Certification Form

- Attachment 14: Supplier's Industrial Safety Record
- Attachment 15: Workplace Substance Abuse Program Plan Certification

**In addition, Offerors are required to submit benchmark and ESP results with their proposals as directed and described within the Proposal Evaluation and Proposal Preparation Instructions.**

This solicitation is available at the following location: <http://www.llnl.gov/asci/purple>.

Sincerely,

Gary M. Ward  
Contract Administration Specialist

Enclosures: As Noted